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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

<i>Attorney Docket No.</i>	65306-0094
<i>First Inventor</i>	Xiaojun Weng et al.
<i>Title</i>	NARROW ENERGY BAND GAP GALLIUM ARSENIDE NITRIDE SEMI-CONDUCTORS AND AN ION-CUT-SYNTHESIS METHOD FOR PRODUCING THE SAME
<i>Express Mail Label No.</i>	EV223960094US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original, and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages **13**]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (*if filed*)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
5. Oath or Declaration [Total Sheets **4**]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

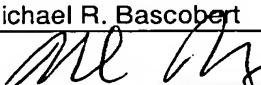
Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number:	10291	<b>OR</b>	<input type="checkbox"/> Correspondence address below
--	-------	-----------	---

Name	RADER, FISHMAN & GRAUER PLLC Glenn E. Forbis				
Address	39533 Woodward Avenue Suite 140				
City	Bloomfield Hills	State	MI	Zip Code	48304
Country	US	Telephone	(248) 594-0600		Fax (248) 594-0610
Name (Print/Type)	Michael R. Bascobert		Registration No. (Attorney/Agent)	44,525	
Signature			Date	November 12, 2003	

**Utility Patent Application Transmittal**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV223960094US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 12, 2003

Signature:  (Wendy A. Balabon)U.S. PTO  
22141  
10/706737

111203

111203  
13146 U.S.PTOUse in lieu of PTO/SB/17 (08-03)  
(Form updated to reflect FY 2004 fees effective 10/1/03)

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 443.00)

<i>Complete if Known</i>	
Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Xiaojun Weng et al.
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	65306-0094

**METHOD OF PAYMENT (check all that apply)**
 Check  Credit Card  Money Order  Other  None
 Deposit Account:

Deposit Account Number 18-0013

Deposit Account Name Rader, Fishman &amp; Grauer PLLC

The Director Is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 385.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	22	-20** =	2	x	9.00	=	18.00	Extra Claims	Fee from below	Fee Paid
Independent Claims	2	-3** =		x		=	0.00			
Multiple Dependent						=				

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 18.00)

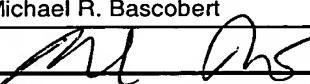
\*\* or number previously paid, if greater; For Reissues, see above

**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	420	2252 210 Extension for reply within second month	
1253	950	2253 475 Extension for reply within third month	
1254	1,480	2254 740 Extension for reply within fourth month	
1255	2,010	2255 1,005 Extension for reply within fifth month	
1401	330	2401 165 Notice of Appeal	
1402	330	2402 165 Filing a brief in support of an appeal	
1403	290	2403 145 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,330	2453 665 Petition to revive - unintentional	
1501	1,330	2501 665 Utility issue fee (or reissue)	
1502	480	2502 240 Design issue fee	
1503	640	2503 320 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810 385 For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801 385 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

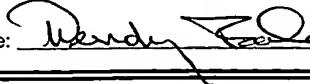
SUBTOTAL (3) (\$ 40.00)

(Complete if applicable)					
Name (Print/Type)	Michael R. Bascober	Registration No. (Attorney/Agent)	44,525	Telephone	(248) 594-0646
Signature		Date	November 12, 2003		

**Fee Transmittal**

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Dated: November 12, 2003

Signature:  Wendy A. Balabon

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Xiaojun Weng et al.
	Title	NARROW ENERGY BAND GAP GALLIUM ARSENIDE NITRIDE SEMI-CONDUCTORS AND AN ION-CUT-SYNTHESIS METHOD FOR PRODUCING THE SAME
	Attorney Docket No.	65306-0094

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

November 12, 2003

Date



Signature

(248) 594-0646  
Telephone Number

Michael R. Bascober  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

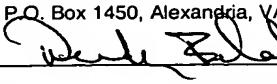
Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

**Nonpublication Request**

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Dated: November 12, 2003

Signature:  (Wendy A. Balabon)

Application No. (if known):

Attorney Docket No.: 65306-0094

## Certificate of Express Mailing Under 37 CFR 1.10

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MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on November 12, 2003  
Date

  
Signature

Wendy A. Balabon  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Application Data Sheet